ReadyLINK®

*Quick Install Guide*

# Compex Fast Ethernet Desktop Switch

# PS2208B

***Version 1.6***

networks@work

Manual Number:
M-0311-V1.6C
Version 1.6
July 2004

## 1. Introduction

**Figure 1 PS2208B**

Compex's PS2208B is a Fast Ethernet Desktop Switch ideal for small and home office networks. It comes with 8 10/100Mbps ports capable of full or half duplex transmission with flow control. In addition, PS2208B supports full auto-negotiation that self-configures for the highest possible operation mode between two nodes. Unlike Hubs or Repeaters of which the 100Mbps bandwidth is shared among the ports, PS2208B is designed with a backplane of 1.6Gbps, allowing all 8 nodes to perform at full performance. Moreover, PS2208B forwards the incoming packets only to the related ports, avoiding collisions commonly seen in a Hub or Repeater.

## 2. Panel Views

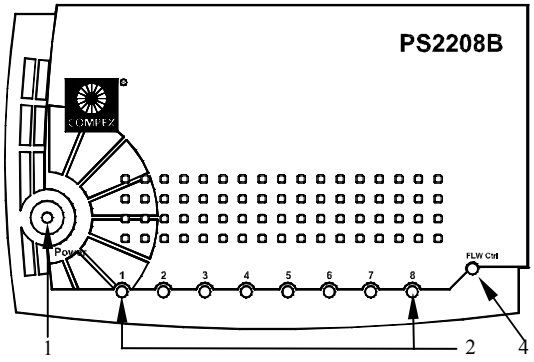


**Figure 2 Front View of PS2208B**

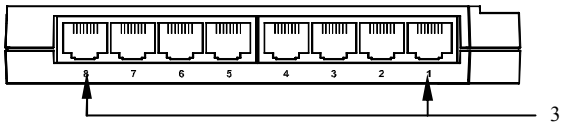


**Figure 3 Back Panel View of PS2208B**

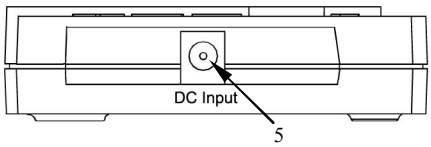


**Figure 4 Side View of PS2208B**

## 3. Panel Descriptions

| | Indicator | Description |
|---|---|---|
| 1 | Power LED | On indicates switch is receiving power. |
| 2 | Port LED | Steady Amber: 10M Link<br>Blink Amber: 10M Activity<br>Steady Green: 100M Link<br>Blink Green: 100M Activity |
| 3 | 8 RJ-45 Ports | 8 UTP ports |
| 4 | FLW/Ctrl LED | Not in used. |
| 5 | DC Power Jack | Supply power from the adapter to the unit |

## 4. Specifications

| | |
|---|---|
| **Industrial Standards** | Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX and ANSI/IEEE 802.3 N-Way auto-negotiation standards; FCC Class A; CE mark. |
| **Interface** | Each unit has eight 10/100Mbps UTP ports (RJ-45). |
| **Port Speed/Mode Selection** | Auto-negotiation |
| **Link Distance** | **100Base-TX:** can support up to 100M of 'Category 5' UTP cable to PC, Hub or another Switch.<br>**10Base-T:** can support up to 100M of 'Category 3, 4, and 5' UTP cable to PC, Hub or another Switch. |
| **LED Indicators** | LED indicators are provided for status monitoring. These include LEDs for system power, port speed, traffic activity and link. |
| **Dynamic memory sharing In/Out buffer** | 128K bytes |
| **Forwarding Method** | Store-and-Forward. |
| **Number of MAC Addresses** | 1K MAC Addresses |
| **Dynamic Addresses Learning / Filtering** | Yes. |
| **Environment Requirements**<br>**Temperature:**<br><br>**Humidity:** | <br>Operating: 0°C to 40°C<br>Storage: -5°C to 60°C<br>Operating: 10% RH to 90% RH (non-condensing) |
| **Physical Dimensions** | 151 x 92 x 25mm (L x W x H) |
| **Safety** | UL, CSA, TUV/GS |

## 5. Installation of PS2208B

PS2208B can be installed on a flat surface (desktop) or mounted on a wall. Follow the steps below for proper installation.

**Desktop installation**

1. Unpack the switch.
2. Choose a location near the devices to be connected and close to an electrical outlet. Preferably placed the switch on a desktop or any other clean, smooth, level and sturdy surface.
3. Ensure that there is enough clearance around the unit to allow attachment of network cables, power adapter and allow air circulation.
4. Connect the power adapter that is supplied in the package to the switch. The **POWER** LED and **PORT** LED for each connected port should be lighted up.

**Wall installation**

1. Measure the distance between the mounting holes at the bottom of the switch and mark the wall to match the location of the mounting holes on the switch.
2. Drill pilot holes at the two marked locations.
3. Fix two 5/16-inch diameters flat-head mounting screws into the wall, with the heads of the screws protruded 1/8 inch out from the wall.
4. Carefully set the switch over the screws in the wall; then slide the switch down onto the screws, pressing it slight to the wall.
5. Connect the power adapter that is supplied in the package to the switch. The **POWER** LED and **PORT** LED for each connected port should be lighted up.

This document may become superseded, in which case you may find its latest version at: http://www.compex.com.sg/prodspec.asp?f=Manual&s=1

**Disclaimer: Compex, Inc.** provides this guide without warranty of any kind, either expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Compex, Inc. may make improvements and/or changes to the product and/or specifications of the product described in this guide, without prior notice. Compex, Inc will not be liable for any technical inaccuracies or typographical errors found in this guide. Changes are periodically made to the information contained herein and will be incorporated into later versions of the guide. The information contained is subject to change without prior notice.
**Trademark Information: Compex®, ReadyLINK®** and **MicroHub®** are registered trademarks of **Compex, Inc. Microsoft Windows** and the **Windows logo** are the trademarks of **Microsoft Corp. NetWare** is the registered trademark of **Novell Inc**. All other brand and product names are trademarks or registered trademarks of their respective owners.
**Notice:** Copyright © 2004 by Compex, Inc. All rights reserved. Reproduction, adaptation, or translation without prior permission of Compex, Inc. is prohibited, except as allowed under the copyright laws.
*Manual Revision by Ong*
Manual Number: ***M-0311-V1.6C*** Version 1.6, July 2004

**FCC NOTICE:** This device has been tested and found to comply with the limits for a **Class A** digital device, pursuant to **Part 15 of the FCC Rules**. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Connect the computer into an outlet on a circuit different from that to which the receiver is connected.
- Increase the separation between the computer and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

***Caution:*** Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

**FCC Compliance Statement:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

**ICES 003 Statement**
This Class A digital apparatus complies with Canadian ICES-003

**DECLARATION OF CONFORMITY:** ***Compex, Inc. declares that the product:***
**Product Name:** Compex Fast Ethernet Desktop Switch
**Model No.:** PS2208B ***conforms to the following Product Standards:***
**Radiated Emission Standards:** EN55022A, FCC Part 15 Class A
**Conducted Emission Standards:** EN60555Pt2 conducted emission; EN55022A conducted emission, LVD 60950 standard, FCC Part 15 Class A
**Immunity Standards:** IEC 801-2; IEC 801-3; IEC 801-4
**Low Voltage Directive:** EN 60 950:1992+A1: 1993+A2: 1993+A3; 1995+A4; 1996+A11: 1997.
***Therefore, this product is in conformity with the following regional standards:*** **FCC Class A** — following the provisions of FCC Part 15 directive; **CE Mark** — following the provisions of the EC directive.

**Manufacturer's Name:** Compex, Inc.
**Address:** 4051 E. La Palma, Unit A,
Anaheim, CA 92807, USA

**European Contact & Technical Support**
ReadyLINK Networktechnology GmbH,
Albert Einstein Straβe 34/M21,
63322 Rödermark, Germany
**Fax:** ++49 (60) 749-0668

*----✂-----Cut along the dotted line-----✂-----Cut along the dotted line-----✂-----Cut along the dotted line-----✂----*

## *WARRANTY REGISTRATION CARD*

[M-0088-V2.3C]

COMPEX networks@work

| | | | | | | |
|---|---|---|---|---|---|---|
| You can register via Internet at: | **http://www.cpx.com** *or* **http://www.compex.com.sg** | | | | | |
| Or E-mail: **support@compex.com.sg** with the following information: | | | | | | |
| To activate the warranty, please complete this card and return to Compex within ninety (90) days of purchase date. | | | | | | |
| Product: | Purchase Date: | Revision: | Serial No: | | | |
| Name: | Title: | E-mail: | | | | |
| Company: | Dept: | | | | | |
| Address: | City: | | | | | |
| Postal/Zip Code: | State: | Country: | | | | |
| Phone: ( ) | Extn: | Fax: ( ) | | | | |
| Computer in which this product is installed? | Model: | Serial No: | | | | |
| Network protocol (Check all that apply): | ❒ TCP/IP | ❒ IPX/ODI | ❒ XNS | ❒ OST | ❒ DLC | ❒ DECnet |
| | ❒ NDIS | ❒ SNA | ❒ NBP | ❒ Other: | | |
| Network Operating System (Check all that apply): | **Novell NetWare**: ❒ 3.X ❒ 4.X ❒ 5.X | SCO Unix: ❒ Openserver Ver: | | | | |
| | **Microsoft Windows**: ❒ NT4.0 ❒ 95 ❒ 98 ❒ Win 2000 | | | | | |
| | **Linux**: ❒ Red Hat Ver: ____ ❒ SUSe Ver:____ ❒ Others: ____ Ver: ___ | | | | | |
| | **Others NOS**: Ver: . | | | | | |
| Applications used on network processing (Check all that apply): | ❒ Desktop Publishing | ❒ Word Processing | ❒ Accounting | | | |
| | ❒ CAD/CAM | ❒ Spreadsheet | ❒ Database Management | | | |
| | ❒ E-mail | ❒ Other: | | | | |
| How did you learn about Compex? | ❒ Work | ❒ Friend | ❒ Internet | ❒ Dealer | ❒ Magazine | ❒ Exhibition |
| | ❒ Other: | | | | | |

**Note:**
For purchases within U.S.A and Canada, please fax to Compex, Inc. at (714) 630-6521

For purchases outside U.S.A and Canada, please fax to Compex Systems Pte Ltd at (65) 6280-9947

*------Cut along the dotted line------✂------Cut along the dotted line------✂------Cut along the dotted line------✂------Cut along the dotted line------*